



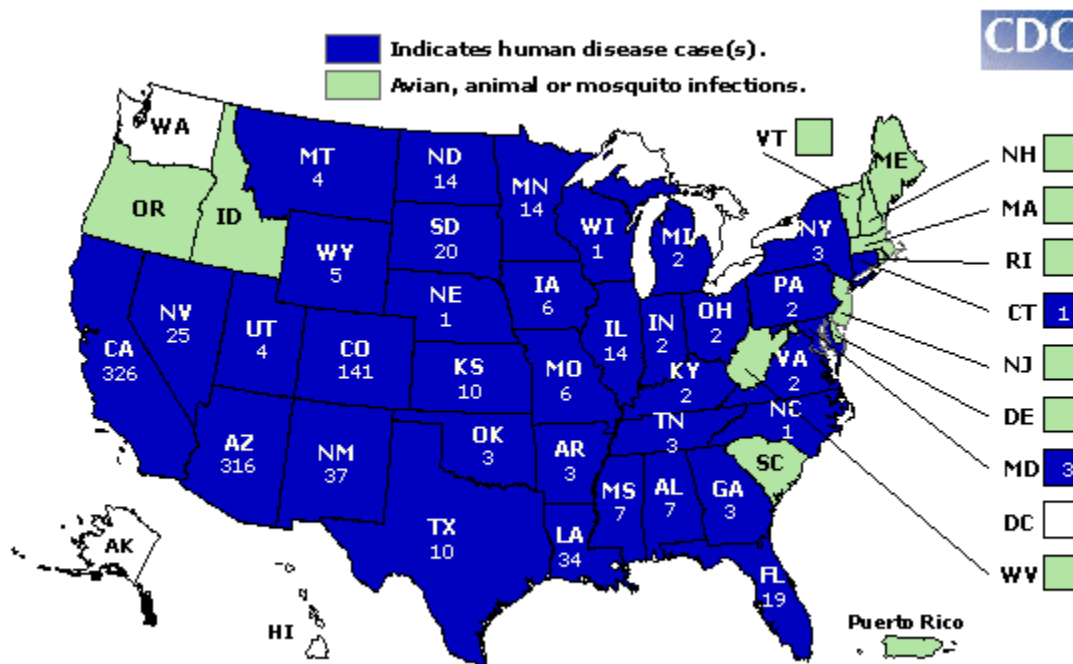
West Nile Virus Newsletter

For the second year, the Department of Health (DOH) is using this electronic newsletter as a regular communication tool for West Nile virus (WNV). It will be provided routinely throughout the summer to keep our partners informed about WNV in Washington State, as well as information from other areas of the country.

Surveillance News

Provided by the Centers for Disease Control and Prevention

2004 West Nile Virus Activity in the United States (reported to CDC as of August 31, 2004)



The 2004 total is 1,053 cases, compared with 1,856 cases at this time in 2003.

As of August 31, 2004, 35 states have reported a total of 1,053 human cases of West Nile virus (WNV) illness to CDC through ArboNET. Among 1,025 WNV cases with clinical and demographic data available, the median age was 51 years (range: 1 month - 99 years) and 588 (57 percent) were males. Of these 1,025 cases, 376 (37 percent) were neuroinvasive. In 2004, there have been a total of 28 published WNV-related fatalities. Of these 28 fatal cases clinical and demographic data were available on 27. The median age of these 27 decedents was 75 years (range: 43 - 91 years).

Additional information about national WNV activity is available from CDC at <http://www.cdc.gov/ncidod/dvbid/westnile/index.htm>. Maps detailing county-level human, mosquito, veterinary, avian and sentinel data are published each week on the collaborative USGS/CDC West Nile virus website: <http://westnilemaps.usgs.gov>.

Washington Non-human Surveillance Summary

Reported to Washington State Department of Health as of September 1, 2004

	Horses*		Birds**		Sentinel Flocks		Mosquito Pools***	
County	Tested	Positive	Tested	Positive	Tested	Positive	Tested	Positive
Adams	0	0	2	0	0	0	0	0
Asotin	0	0	1	0	0	0	0	0
Benton	0	0	14	0	0	0	0	0
Chelan	1	0	5	0	0	0	0	0
Clallam	0	0	4	0	0	0	0	0
Clark	1	0	29	0	0	0	0	0
Columbia	0	0	0	0	0	0	0	0
Cowlitz	0	0	10	0	0	0	6	0
Douglas	0	0	0	0	0	0	0	0
Ferry	0	0	0	0	0	0	0	0
Franklin	0	0	2	0	0	0	0	0
Garfield	0	0	0	0	0	0	0	0
Grant	0	0	2	0	0	0	0	0
Grays Harbor	0	0	2	0	0	0	0	0
Island	2	0	11	0	0	0	0	0
Jefferson	0	0	5	0	0	0	53	0
King	1	0	29	0	0	0	5	0
Kitsap	0	0	0	0	0	0	216	0
Kittitas	0	0	4	0	0	0	0	0
Klickitat	0	0	1	0	0	0	0	0
Lewis	0	0	16	0	0	0	0	0
Lincoln	0	0	1	0	0	0	0	0
Mason	0	0	6	0	0	0	0	0
Okanogan	0	0	0	0	0	0	0	0
Pacific	0	0	1	0	0	0	0	0
Pend Oreille	0	0	0	0	0	0	0	0
Pierce	0	0	17	0	0	0	163	0
San Juan	0	0	5	0	0	0	0	0
Skagit	0	0	7	0	0	0	0	0
Skamania	0	0	0	0	0	0	0	0

Snohomish	1	0	42	0	0	0	12	0
Spokane	3	0	9	0	0	0	0	0
Stevens	1	0	7	0	0	0	0	0
Thurston	1	0	17	0	0	0	0	0
Wahkiakum	0	0	0	0	0	0	0	0
Walla Walla	3	0	3	0	0	0	0	0
Whatcom	2	0	10	0	0	0	0	0
Whitman	0	0	2	0	0	0	0	0
Yakima	1	0	3	0	0	0	7	0
Totals	17	0	267	0	0	0	462	0

*An additional 12 equine tested negative, but were not included in the table because county/state information was not available.

** A total 276 birds have been submitted for testing, of which 9 were unsuitable and not tested for West Nile virus. An additional 49 bird specimens are pending.

*** USACHPPM-West Report Dated: August 27, 2004 and WADDL Report Dated: August 30, 2004.

WNV In California

By William Reisen,* Hugh Lothrop,* Robert Chiles,* Minoo Madon,† Cynthia Cossen,‡ Leslie Woods,* Stan Husted,‡ Vicki Kramer,‡ and John Edman*

*University of California, Davis, California, USA; †Greater Los Angeles County Mosquito and Vector Control District, Santa Fe Springs, California, USA; and ‡California Department of Health Services, Sacramento, California, USA

WNV was first isolated in California during July 2003 from a pool of *Culex tarsalis* collected near El Centro, Imperial County. WNV transmission then increased and spread in Imperial and Coachella Valleys, where it was tracked by isolation from pools of *Cx. tarsalis*, seroconversions in sentinel chickens, and seroprevalence in free-ranging birds. WNV then dispersed to the city of Riverside, Riverside County, and to the Whittier Dam area of Los Angeles County, where it was detected in dead birds and pools of *Cx. pipiens quinquefasciatus*. By October, WNV was detected in dead birds collected from riparian corridors in Los Angeles, west to Long Beach, and through inland valleys south from Riverside to San Diego County. WNV was reported concurrently from Arizona in mid-August and from Baja, Mexico, in mid-November. The discussion of possible mechanisms for virus introduction, amplification, and dispersal is available from CDC, Emerging Infectious Diseases at <http://www.cdc.gov/ncidod/EID/vol10no8/04-0077.htm>.

West Nile Virus Season Escalates, Along With Costs

By Catherine Larkin, Bloomberg Press, August 19, 2004

The West Nile outbreak in Arizona, which is getting about \$1 million in federal money to fight the virus, grew to 291 cases in the past week, according to the U.S. Centers for Disease Control and Prevention.

U.S. infections jumped 39 percent to 689, the CDC Morbidity and Mortality Weekly Report showed, as the West Nile season reached the peak months of August and September. Arizona, which has 42 percent of the cases, said it got two CDC grants to wipe out mosquitoes that carry the disease. The CDC itself plans to spend about \$38.4 million to fight the disease.

For the complete article, visit Bloomberg's Web site at
<http://quote.bloomberg.com/apps/news?pid=10000103&sid=aIXowdzUpA.8&refer=us#>

Community Comments

Let us hear your comments on this newsletter, your needs, or things you would like to see, by sending them to Maryanne Guichard, 360.236.3391 or maryanne.guichard@doh.wa.gov

WNV Web Resources

Washington State Department of Health www.doh.wa.gov/wnv
Center for Disease Control and Prevention <http://www.cdc.gov/ncidod/dvbid/westnile/>
Washington State University Cooperative Extension <http://wnv.wsu.edu/>
Cornell University, Center for Environment <http://www.cfe.cornell.edu/erap/WNV>
Washington State Department of Agriculture
<http://agr.wa.gov/FoodAnimal/AnimalHealth/Diseases/WestNileVirus/default.htm>

Article Submission

We are interested in receiving articles for future publications of the WNV newsletter. Please submit articles to Tom Gibbs, tom.gibbs@doh.wa.gov.

DOH Contact List for West Nile Virus

General Public Toll-Free Hotline 1.866.78VIRUS

Publications: Brochures/Response Plan/Fact Sheets

Laura Harper, 360.236.3380, or laura.harper@doh.wa.gov.

Surveillance: Mosquito

Jo Marie Brauner, 360.236.3064, or jomarie.brauner@doh.wa.gov.

Surveillance: Dead bird surveillance, horses, case reporting, laboratory assistance, and general WNV response

Tom Gibbs, 360.236.3060, or tom.gibbs@doh.wa.gov.

NPDES: Training, technical assistance

Ben Hamilton, 360.236.3364, or benjamin.hamilton@doh.wa.gov.

WNV in Humans: Clinical information, case reporting, and laboratory testing

Call your local health jurisdiction or DOH Communicable Disease Epidemiology, 206.361.2914 or 877.539.4344.

Assistance with news releases and media response

Donn Moyer, 360.236.4076, or donn.moyer@doh.wa.gov.

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WNV Coordinator

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